PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Fules 43 and 44)

Аррисе	ant's or agent's file reference	FOR FURTHER	
	04400	ACTION as we	see Form PCT/ISA/220 ell as, where applicable, item 5 below.
ntema	tional application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
CT/	IL2005/000135	04/02/2005	05/02/2004
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EAB	LITY INC.		
This in accord	nternational Search Report has b sing to Article 18. A copy is being	een prepared by this international Searching Au transmitted to the international Burgeu.	thority and is transmitted to the applicant
This Ir	nternational Search Report consis	sts of a total of <u>6</u> sheets.	
		by a copy of each prior art document ched in this	s report.
	ssis of the report	······································	· · · · · · · · · · · · · · · · · · ·
a.	With regard to the language, the language in which it was filed, up	ne International search was carried out on the ba Inless otherwise indicated under this item.	asis of the international application in the
	The internation this Authority (F	al search was carried out on the basis of a trans Rule 23.1(b)).	station of the international application furnished to
b.		isotide and/or amino acid sequence disclosed	t in the International application, see Box No. I.
2.	X Certain claims were to	ound unseerchable (See Box II).	
3.	Unity of Invention is la	icking (see Box III).	
i. WI	th regard to the title,		
	X the text is approved as	submitted by the applicant.	
	the text has been establ	lished by this Authority to read as follows:	
••			
14.04			
	h regard to the abstract,		
		submitted by the applicant.	
	may, within one month f	lehed, according to Rule 38.2(b), by this Authori rom the date of mailing of this international seam	ty as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.
. Wit	h regard to the drawings,		
а.	the figure of the drawings to be	published with the abstract is Figure No4	
	X as suggested by		
	as selected by th		TROOT & Brunch
		his Authority, because the applicant failed to suc	
		nis Authority, because the applicant failed to sug nis Authority, because this figure better characte	

Form PCT/ISA/210 (first sheet) (January 2004)

International application No.

PCT/IL2005/000135

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Apparatus for rehabilitating a patient who has a paretic body part (146), the apparatus comprising:

a) at least one electromyography (EMG) sensor adapted to being applied to a voluntary muscle of a healthy body part of the same type as the paretic body part, which at least one sensor produces at least one EMG signal; b) a neuromuscular electrical stimulation (INNES) device (126) adapted for stimulating at least one voluntary muscle of the paretic body part; and c) a controller (124) which controls the INNES device, making the amplitude of stimulation of the paretic body part at least partly dependent on the EMG signal from the healthy body part.

In another embodiment, where only a paretic body part is used, the amplitude of stimulation is not sufficient to cause contraction by itself but only together with the patient's own nerve impulses.

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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category *			······································		
Cellogoly -	Citation of document, with indication, where appropriate, of the re	iovant pessagas		Relevant to claim No.	
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X	WO 02/092164 A (FONDATION SUISSE	POUR LES	*	1-16,18,	
	CYBERTHESES; BRODARD, ROLAND; CL	AVEL .		19,23-30	
	REYMON) 21 November 2002 (2002-1	1-21)		19,23~30	
A	page 14, paragraph 8 - page 15,	Daragraph		17	
	3			17, 20-22,31	
	page 17, paragraph 7 - page 18,	par ag raph			
	2				
	page 18, paragraph 5	•			
	page 19, paragraph 4 - page 20,	paragraph			
	5; figure 1	•••			
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X Furth	er documents are listed in the continuation of box C.		· · · · · ·		
		X Parametria	y members are listed i	n annex.	
* Special cat	legories of cited documents :				
"A" documa	nt defining the general state of the art which is not		ublished after the linte and not in conflict with	the application but 1	
consid	ered to be of particular relevance	olied to underst invention	and the principle or the	sory underlying the	
"E" earlier d filing di	ocument but published on or after the international steel	"X" document of part	icular relevance: the c	laimed invention	
"L' docume	nt which may throw doubts on priority, claim(a) or	CERROL DE CONS	dened hovel or cannot	be considered to current is taken alone	
Which i	s cited to establish the publication date of snother or other special reason (as specified)	"Y" document of part	icular relevance: the c	laimed invention	
"O" docume	nt referring to an oral disclosure, use, exhibition or	distant be consi distant is con	dered to involve an im nbined with one or mo	ventive step when the	
other # "P" docume	neans nt published prior to the international filing date but	in the art.	nbination being obviou	Is to a person skilled	
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Date of the a	ctual completion of the international search		the international sea		
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23	3 May 2005	03/06/	2005	1	
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Name and m	alling address of the ISA	Authorized office			
	European Patent Office, P.B. 5818 Patentiaan 2 <u>NL - 2280 HV Rijawijk</u>	!			
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Küster	6		
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Form PCT/ISA/210 (second sheet) (January 2004)

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International Application No

PCT/IL2005/000135

Category *	Clatics of document with indicates	· · · · · · · · · · · · · · · · · · ·
y	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
C	US 4 582 049 A (YLVISAKER ET AL) 15 April 1986 (1986-04-15)	1-3, 8-10,
A	column 2, lines 25-35	14-17 4-7, 11-13,
	column 2, line 51 – column 3, line 26 column 4, lines 17–43 column 5, lines 33–50; figure 1	18-31
(GRAUPE D: "EMG PATTERN ANALYSIS FOR PATIENT-RESPONSIVE CONTROL OF FES IN	1,3, 8-10,14,
	PARAPLEGICS FOR WALKER-SUPPORTED WALKING" IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, IEEE INC. NEW YORK, US, vol. 36, no. 7, 1 July 1989 (1989-07-01), pages 711-719, XP000037463 ISSN: 0018-9294	16,17,19
٩	page 711, left-hand column, paragraph 1 - right-hand column, paragraph 1; figures 3,5	31
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(WO 02/13673 A (STIMEL LTD; KOTLIK, BEN-ZION; ZUKER, MORRIS) 21 February 2002 (2002-02-21)	31-35
A	page 10, lines 25-32 page 11, line 30 - page 12, line 11 page 12, line 25 - page 13, line 1; figure 1	1
(PEASGOOD W ET AL: "EMG-controlled closed . loop electrical stimulation using a digital signal processor" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 36, no. 22,	31-35
	26 October 2000 (2000-10-26), pages 1832-1833, XP006015871 ISSN: 0013-5194	
	page 1832, left-hand column, paragraph 1; figure 1	
	page 1833, right-hand column, paragraph 1	1

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International application No. PCT/IL2005/000135

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 36-46 because they relate to subject matter not required to be searched by this Authority, namely: Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
Claims Nos.: Decause they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carded out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search tees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

information on patent family members

International Application No

	Publication date		PCT/IL2005/000135			
Patent document sted in search report			Patent family member(s)			Publication data
0 02092164	A	21-11-2002	CA	2446875	A1	21-11-2002
			WO	02092164		21-11-2002
			EP	1387712	A2	11-02-2004
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